

FACILITY STATUS CHANGE FORM

Date Submitted: August 8, 2013 Originator: Chris Strand Phone: 554-2720	Area: 300 Area Facility ID: 331G Action Memorandum: Hanford General Decommissioning	Control #: D4-300-087
---	---	---------------------------------

This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

- ☒ All D4 operations required by action memo complete.
- ☐ D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:

Deactivation: Utility isolations were completed on the facilities prior to demolition.

Decontamination and Decommissioning: Hazardous materials were removed prior to demolition and included oils, grease, mercury, and asbestos. Asbestos was removed by certified asbestos workers.

Demolition of the above and below-grade structures were completed in July of 2013. The debris was removed and disposed of at ERDF.

Description of Deferral (as applicable):

None.

Section 2: Underlying Soil Status

- ☐ No waste site(s) present. No additional actions anticipated.
- ☒ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.
- ☐ Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned. Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

The excavation was backfilled with clean material following GPERS surveys. No radiological or Industrial Hygiene postings remain.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

300-15; process sewer segments remain in the area.

Section 3: List of Attachments

1. Facility Information (building history and characterization).
2. Project photographs.
3. GPERS surveys.

DOE-RL

N/A

Lead Regulator

☐

EPA

☐

Ecology

Date

Date

FACILITY STATUS CHANGE FORM

DISTRIBUTION:

EPA: Larry Gadbois, B1-46

Ecology: Rick Bond, HO-57

DOE: Rudy Guercia, A3-04

Document Control, H4-11

Administrative Record, H6-08 (300-FF-2 OU)

SIS Coordinator: Ben Cowin, H4-22

D4 EPL: Chris Strand, L4-45

Sample Design/Cleanup Verification: Theresa Howell, H4-23

FR Engineering: Eric Ison, L1-13

FR EPL: Chris Strand, L4-45

Attachment 1: Facility Information

331G Building History

The 331-G Farrowing Facility was constructed in 1975 and was located just east of the 331-F building. The building was constructed of cinder block with flat roofed set on a concrete slab and measured 60 by 20 ft.

The 331-G building was originally used to house laboratory animals (specifically swine) while they were giving birth. Later on it was converted to an archive for radioactively contaminated animal tissue samples. All samples were removed and disposed of in 1977. More recently, the 331-G building was being used for radiotracer studies. Small quantities (microcuries) of tracer radionuclides were deposited in soil, taken up by vegetation and then fed to small animals. The animals were temporarily housed in the facility, and their excrements were stored in closed containers also within the facility.

331H Building Characterization:

Table 1. Summary of Characterization Surveys at 331G

Type	Date	Documented In	Results Summary
Asbestos	June 20, 2011	CCN # 165738	Friable ACM present in the form of vermiculite (interior to cinder blocks).
IH Surveys and Beryllium Characterization	April 15, 2013	BFA-331G-13-001	Building determined to be Be free prior to demolition. All other contaminants of concern below action levels.
Radiological Surveys	January 25, 2012 January 31, 2012	RSR-300PS-12-0251 RSR-300PS-12-0325	No radiological contamination identified.

Identification of Document Waste Sites:

300-15 (process sewer) piping serviced 331G.

Anomalies Discovered During Demolition:

No anomalies were discovered during the below-grade removal of 331G. Unusual light colored soil was observed in the excavation to the north, between 331H and 331G Buildings. Project Analytical Lead and Environmental staff evaluated the site and concluded the material was clay. No other soil staining within the excavation was observed and GPERS surveys identified no radiological contamination. The excavation was backfilled with clean fill material.

Attachment 2: Project Photographs

Photograph 1: 331G, looking east on January 30, 2012.



Photograph 2: 331G excavation following below-grade demolition, looking east on July 22, 2013.



**Attachment 3: GPERS Surveys
(Beta and Gamma Tracks)**



Bkg Location
1250 m NW
351 cpm



Site View

HUGO
DRIVE

Copy

Legend

NET CPM

- × <526
- 526 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4_199'
Number of Data Pnts: 244
Type of Survey: beta
Max GCPM: 631
Avg Bkg CPM: 351
Survey Date: 7/19/2013
Area Surveyed: 1600 m²
Project File: ESRFRM130057B
Pdf File: ESRFRM130057BC

300 D4 331-G, H GPERS Radiological Survey Beta Track Map

0 5 10 15 20 25
Meters



EBERLINE
SERVICES

Survey Map Prepared By Bruce Coomer, ESI



Bkg Location
1250 m NW
1154 cpm



Site View

HUGO
DRIVE

Copy

Legend

NET CPM

- × <1731
- 1731 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: D4_199
Number of Data Pnts: 3378
Type of Survey: gamma
Max GCPM: 1622
Avg Bkg CPM: 1154
Survey Date: 7/19/2013
Area Surveyed: 1600 m²
Project File: ESRFRM130057G
Pdf File: ESRFRM130057GC

300 D4 331-G, H GPERS Radiological Survey Gamma Track Map

0 5 10 15 20 25
Meters



Survey Map Prepared By Bruce Coomer, ESI

Photograph 3: 331G following backfill, looking east on August 7, 2013

